



**US Environmental Protection Agency
Office of Pesticide Programs**

APPENDIX E. RQ METHOD AND LOCs

October 18, 2007

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Risk Presumption	RQ	LOC
Birds and Wild Mammals		
Acute Risk	Dietary based: EEC ^a (ppm ^b) / LC ₅₀ (ppm) Dose based: EEC (mg/kg-bw/d) / LD ₅₀ (mg/kg-bw/d ^c)	0.5
Acute Restricted Use	Dietary based: EEC (ppm) / LC ₅₀ (ppm) Dose based: EEC (mg/kg-bw/d) / LD ₅₀ (mg/kg-bw/d)	0.2
Acute Listed Species	Dietary based: EEC (ppm) / LC ₅₀ (ppm) Dose based: EEC (mg/kg-bw/d) / LD ₅₀ (mg/kg-bw/d)	0.1
Chronic Risk	Dietary based: EEC (ppm) / NOAEC (ppm) Dose based: EEC (mg/kg-bw/d) / NOAEL (mg/kg-bw/d)	1.0
Aquatic Animals		
Acute Risk	EEC (ppm) / (LC ₅₀ (ppm) or EC ₅₀ (ppm))	0.5
Acute Restricted Use	EEC (ppm) / (LC ₅₀ (ppm) or EC ₅₀ (ppm))	0.1
Acute Listed Species	EEC (ppm) / (LC ₅₀ (ppm) or EC ₅₀ (ppm))	0.05
Chronic Risk	EEC (ppm) / NOAEC (ppm)	1.0
Terrestrial Plants and Plants Inhabiting Semi-Aquatic Areas		
Acute Risk	EEC (lbs ai/A) / EC ₂₅ (lbs ai/A)	1.0
Acute Listed Use	EEC (lbs ai/A) / (EC ₀₅ or NOAEC (lbs ai/A))	1.0
Aquatic Plants		
Risk	EEC (ppm) / EC ₅₀ (ppm)	1.0
Listed Species	EEC (ppm) / (EC ₀₅ or NOAEC (ppm))	1.0

^a EEC = estimated environmental concentration

^b ppm = parts per million

^c mg/kg-bw/d = milligrams per kilogram of body weight per day

